AMENDMENTS TO THE CLAIMS

1-12. **(Canceled)**

13. **(Currently amended)** A method for selectively protecting non-transformed biological cells over transformed biological cells from cell damage induced by cell-damaging factors, comprising:

providing ~~said~~ biological material comprising both said non-transformed and said transformed biological cells; and

contacting said biological material with phosphotyrosine, said contacting taking place before, during or after exposure to said cell-damaging factors, said cell-damaging factors being selected from the group consisting of: non-ultraviolet radiation, ~~ultraviolet light,~~ and chemicals, wherein said non-transformed biological cells are selectively protected from cell damage as compared to said transformed biological cells.

14. **(Original)** The method of Claim 13, wherein said radiation is ionizing radiation, and wherein said chemicals are cytostatic agents.

15. **(Original)** The method of Claim 13, wherein said biological material is skin.

16. **(Original)** The method of Claim 13, wherein said biological material is a tumor patient subjected to a radiation therapy.

17. **(Original)** The method of Claim 13, wherein said biological material is a tumor patient subjected to a chemotherapy.

18-20. **(Canceled)**

21. **(New)** A method of selectively protecting non-transformed biological cells over transformed biological cells during cytotoxic treatment of said transformed cells, comprising:

administering phosphotyrosine to said non-transformed and transformed cells; and

exposing said non-transformed and transformed cells to said cytotoxic treatment, wherein said non-transformed biological cells are selectively protected from cell damage as compared to said transformed cells.

22. **(New)** The method of Claim 21, wherein said treatment is chemotherapy for said transformed cells.

23. **(New)** The method of Claim 21, wherein said treatment is non-ultraviolet radiotherapy for said transformed cells.